

**CALIFORNIA TRAFFIC CONTROL DEVICES COMMITTEE
2007 ANNUAL REPORT**

This report is prepared in compliance with Article V of the Bylaws of the California Traffic Control Devices Committee (CTCDC).

2007 VOTING MEMBERS

Mr. Farhad Mansourian CSAC	Chairman Director of Public Works Marin County, P.O. Box 4186 San Rafael, CA 94913
Mr. Hamid Bahadori ACSC	Vice Chairman Principal Transportation Engineer Auto Club of Southern California, 3333 Fairview Road Costa Mesa, CA 92626
Mr. John Fisher LOCC	Assistant General Manager City of Los Angeles DOT 100 S Main St, 10 th Floor Los Angeles, CA 90012
Mr. Wayne Henley CDOT	Division of Traffic Operations California Department of Transportation 1120 N Street, MS36 Sacramento, CA 95814
Ms. Merry Banks CSAA	Manager Traffic Safety Department California State Automobile Association 150 Van Sacramento Ness Avenue, MSA03C San Francisco, CA 94102-1860
Mr. Jacob Babico CSAC	Chief of Traffic Division, DPW San Bernardino County 825 East Third Street San Bernardino, CA 92415
Lieut. Laujuaana Lopez DCHP	California Highway Patrol 2555 First Avenue Sacramento, CA 95818
Mr. Ed Von Borstel LOCC LOCC	Deputy Director Public Works & Transportation City of Modesto, 1010 Tenth Street Modesto, CA 95353

The following alternate members were designated by the parent organizations to act in the absence of their appointed voting members:

2007 ALTERNATE MEMBERS

Mr. Mark Greenwood LOCC	Director of Public Works Department City of Palm Desert 73-510 Fred Waring Dr. Palm Desert, CA 92260
Mr. John Presleigh CSAC	Assistant Director Transportation Division Santa Cruz County DPW Santa Cruz, CA 95060
Mr. Devinder Singh CDOT	Division of Traffic Operations California Department of Transportation 1120 N Street, MS36 Sacramento, CA 95814
Ms. Deborah Wong CSAA	Transportation Policy Manager California State Automobile Association 100 Van Ness Ave, 16 th Floor San Francisco, CA 94102
Mr. George Johnson CSAC	Transportation Director, DPW Riverside County P.O. Box 1090, Riverside, CA 92502
Ms. Cheryl Skare DCHP	California Highway Patrol 2555 First Avenue Sacramento, CA 95818
Mr. Jeff Knowles LOCC	Deputy Director Public Works City of Vacaville 650 Merchant Street, Vacaville, CA 95688
Ms. Marianne Kim ACSC	Auto Club of Southern California 3333 Fairview Road Costa Mesa, CA 92626 (714) 885-2331
SECRETARY	
Mr. Devinder Singh Caltrans	Senior Transportation Engineer Executive Secretary, CTCDC 1120 N Street, MS36 Sacramento, CA 95814

2007 MEETINGS

Date	Location
February 15, 2007	110 Grand Ave, Oakland, CA 92110
June 7, 2007	110 Taylor St, San Diego, CA 92110
October 10 & 11, 2007	4338 Dudley Blvd., McClellan AFB, Sacramento, CA 92110

2007 CTCDC AGENDA ITEMS**Agenda****Item No. Title**

- 01-4 Tactile Pedestrian Indicator With Audible Information at the Crosswalk with IRWLs
- 02-15 Radar Guided Dynamic Curve Warning System
- 00-03 Trucks Minimize Engine Brake Noise
- 03-14 Numbering of Signalized Intersections
- 04-12 Requests to Expand Citywide Existing experimentation with "Flashing Yellow Arrows"
- 06-2 Experiment with Colored Bike Lane
- 06-4 Older CA Traffic Safety Task Force (OCTSTF) Meeting Pending item from June 14, 2006
- 06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)
- 06-7 MUTCD 2003 Revision No. 1 (Pharmacy Signing)
- 06-8 FHWA's Interim Approvals for Optional Use of (Flashing Yellow Arrow) Traffic Control Devices
- 06-12 No Parking Signs
- 06-13 Proposal to Amend Section 7B.08 and 7B.12
- 07-1 Proposal to Revise the Sizes for the Supplement School Plaques (S4-3, W16-7p, and W16-9p) signs
- 07-2 Three (3) Proposed Roadway Regulatory Signs (Request by Town of Apple Valley
- 07-3 FHWA's Interim Approvals to Display More than Six Specific Service Logo Panels for a Type of Service
- 07-4 Proposal to Adopt "Transporting Fireworks Prohibited" Sign
- 07-5 Proposal to Amend Section 2C.29 Advance Traffic Control Signs (W3-1, W3-2, W3-3, W3-4)
- 07-6 Delete the symbolic NO TURN ON RED (R10-11) sign in the entire California MUTCD
- 07-7 Experimentation by Implementation of Two New School Site Loading Signs
- 07-8 Experiment with Speed Limit Numbers on Green Traffic Signal Phase
- 07-11 Veterans National Cemetery Signs
- 07-12 Amendment to CA MUTCD Section 4E.08 Pedestrian Detectors
- 07-13 Experimental Process With New Traffic Control Devices
- 07-14 Process to Adopt Interim Approvals in California Issued by the FHWA

- 07-15 Proposal to Adopt “Safety Awareness Zone Next XX Miles”
- 07-16 SB 848, as Amended, Corbett. Vehicles: Engineering and Traffic Survey: Speed Trap.
- 07-17 Proposal for C17A (CA) ROAD WORK Plaque and Amendment to CA MUTCD Section 6F.104
- 07-18 Proposal to Amend FWY Detour With Arrow SC9 (CA) Sign and Adopt Exit With Arrow Sign
- 07-19 Wildlife Corridor Signage
- 07-20 Request for Permission to Experiment with “Hawk” Traffic Control Devices
- 07-22 Proposal to Adopt Construction Sign “Trucks Entering Exiting” C44 (CA)
- 07-23 Bus Preferential Only Lane Signs
- 07-24 Installation of School Assembly C in Rural Areas with Sidewalks

INFORMATION ITEMS:

- 00-4 Use of Raised Pavement Markers in Transverse Pattern
- 02-3 Right Edgeline
- 07-26 Interpretation Letter I-44 (Intr.)-Applicability of MUTCD to Private Property Open to Public Travel

DISCUSSION ITEMS:

- 06-12 No Parking Signs
- 07-9 California MUTCD – Procedure for updating the document
- 07-10 Application of IRWLs at Yield controlled intersections
- 07-21 Proposal to Install Audible Features at the Uncontrolled Crosswalk
- 07-25 Watershed Signs

COMMITTEE ACCOMPLISHMENTS:**01-4 Tactile Pedestrian Indicator With Audible Information at the Crosswalk with IRWLs**

The CTCDC recommended that since the devices has been adopted in California officially as of May 2004, this item be removed from the “On-Going Experimentation” list.

02-15 Radar Guided Dynamic Curve Warning System

The CTCDC recommended amending Section 2C.06 Horizontal Alignment Signs (W1-1 through W1-5, W1-11, W1-15) of the CA MUTCD as follows:

Standard: (proposed text in blue color)

When engineering judgment determines the need for a horizontal alignment sign, one of the W1-1 through W1-5, W1-10, W1-11 or W1-15 signs shall be used.

Option:

If the reduction in speed is 20 km/h (15 mph) or greater, a supplemental combination Horizontal Alignment/Advisory Speed sign ~~or Curve Speed (W13-5) sign~~ may be installed as near as practical to the point of curvature. If the reduction in speed is 40 km/h (25 mph) or greater, one or more additional Curve Speed signs may be installed along the curve.

A changeable message sign that displays to approaching drivers the speed at which they are traveling may be installed on the same post and in conjunction with any horizontal alignment sign that has an advisory speed. Any horizontal alignment that has an advisory speed may be supplemented with a changeable message sign that displays the horizontal alignment sign, advisory speed and the approaching driver's speed.

00-03 Trucks Minimize Engine Brake Noise

The CTCDC recommended to discontinuing the experiment and ask jurisdictions to restore the locations back to original conditions by removing the experimental devices.

In 2000, the City of Auburn received approval for the experiment, however, data submitted by them was very brief and the Committee was not able to make a decision on the sign. The Committee tabled this item to get more data, however, no agency came forward to conduct experimentation and collect data. Since no agency is willing to do further studies, the item will be considered closed.

03-14 Numbering of Signalized Intersections

The Committee accepted the final report, allowed the continuous use of the devices, and asks Caltrans to develop a draft policy to indicate use of the devices and bring it back for Committee review and recommendations.

The Coachella Valley Association of Governments (CVAG) obtained approval from the CTCDC on September 13, 2003 to conduct experiment with numbering on signalized intersection. CVAG has submitted two preliminary reports and a final report on the experiment. The numbering system was a successful concept, embraced by the affected jurisdictions and the tourist oriented organizations for which it was originally proposed. CVAG requested CTCDC to accept their conclusion and to allow continuous use of the numbering system in the Coachella Valley.

04-12 Requests to Expand Citywide Existing experimentation with "Flashing Yellow Arrows"

The Committee took no action because the City of Pasadena did not pursue this request.

06-2 Experiment with Colored Bike Lane

The Committee authorized the City of San Francisco to conduct an experiment with colored bike lanes subject to FHWA approval. Also, the City inform the Committee what type of material they picked for the color and also report to the committee before data and the post data as experiment progress on interim basis.

06-4 Older CA Traffic Safety Task Force (OCTSTF) Meeting, Pending item from June 14, 2006

The Committee recommended Caltrans to deny this proposal and do not adopt in California until FHWA adopt this proposal in the MUTCD.

The proposal will increase the delineation devices to double which are used in the work zone areas to the current standards. There is no compelling evidence that more devices would be helpful to older drivers.

06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)

The Committee authorized experimentation with a sign showing two cars colliding with a message “no injury drive safely to shoulder” as requested by the MTC and CHP. The symbol for the car will be used from CA the MUTCD, RG-010, shown on page 2H-17

06-7 MUTCD 2003 Revision No. 1 (Pharmacy Signing)

The Committee recommended tabling the item until Walgreens come back with the amendment to the Streets and Highway Code

06-8 FHWA’s Interim Approvals for Optional Use of (Flashing Yellow Arrow) Traffic Control Devices

The Committee appointed a Sub Committee to look at the safety concerns raised by Caltrans ITS Branch on the guidelines issued by the FHWA on the use of Flashing Yellow Arrow.

06-12 No Parking Signs

The Committee recommended that Caltrans adopt the sign as amended with the proposed text and issue an interim policy so that agencies can use these signs to bring non-compliance signs up to standards.

The City/County of San Francisco brought this item to the Committee’s attention. The City/County of San Francisco submitted a letter to Caltrans indicating that they have numerous No Parking signs, which do not comply with the MUTCD or CA MUTCD, and they need help from the CTCDC and Caltrans to make those signs in compliance with the CA MUTCD

06-13 Proposal to Amend Section 7B.08 and 7B.12

The Committee suggested that the City of Santa Ana consider conducting experiment with the S4-5 and S4-5a signs and compare with the current signs to see which are better recognized to the motorists.

The City of Santa Ana proposed to amend Section 7B.08 and 7B.12 to use S4-5 and S4-5a signs instead of Assembly D to warn motorists that they are approaching a school zones with reduced speed limit. The City of Santa Ana believes that S4-5 and S4-5a would be more effective than Assembly D.

07-1 Proposal to Revise the Sizes for the Supplement School Plaques (S4-3, W16-7p, and W16-9p) signs

The Committee recommended that the school zone supplement plaque sign be reviewed and revised as suggested by the Committee and the City of Santa Ana.

The school advance warning assembly (S1-1) sign has a variety of messages such as SCHOOL plaque (S4-3), AHEAD plaque (W16-9p), diagonal plaque (W16-7p) and X FEET plaque (W16-2). The sizes of the supplemental plaques are not consistent and the illustration in Figure 7B-1(CA) School Area Signs shows that S4-3, W16-7p and W16-9p plaques are as wide as the S1-1, however, the dimensions listed in Table 7B-1 are not consistent with the figures.

07-2 Three (3) Proposed Roadway Regulatory Signs (Request by Town of Apple Valley)

The Committee recommended that Caltrans adopt “No Parking Of Commercial Vehicles Except By Permit”, Display Of Vehicles For Sale Prohibited signs and denied the adoption of “Commercial Vehicles Over 5 Tons Prohibited Except On Through and Local Truck Routes” sign as requested by the Town of Apple Valley.

07-3 FHWA’s Interim Approvals to Display More than Six Specific Service Logo Panels for a Type of Service

The Committee recommended Caltrans to ask for blanket approval from the FHWA for the 12-logo panels program as Interim Approval issued by the FHWA.

07-4 Proposal to Adopt “Transporting Fireworks Prohibited” Sign

The Committee recommended that Caltrans adopt an official sign, “Transporting Illegal Fireworks Prohibited”.

07-5 Proposal to Amend Section 2C.29 Advance Traffic Control Signs (W3-1, W3-2, W3-3, W3-4)

The Committee recommended that Caltrans consider removing the whole paragraph, Standards, Section 2C.29 of the CA MUTCD:

Standard:

A warning beacon or WHEN FLASHING (W16-13p) plaque shall not be used to supplement the BE PREPARED TO STOP (W3-4) sign. Studies indicate that these devices are generally not effective as warning devices for motorists approaching signalized intersections. The non-use of a warning beacon or WHEN FLASHING (W16-13p) plaque also addresses the situation when a warning beacon is inoperative for any reason.

07-6 Delete the symbolic NO TURN ON RED (R10-11) sign in the entire California MUTCD

The Committee recommended that the proposed symbol sign be adopted and the word sign be deleted.

07-7 Experimentation by Implementation of Two New School Site Loading Signs

The Committee authorized experimentation as proposed by the City, with modification using “school” plaque on one sign and a second sign without “school” plaque. The numeral for hours should be standard size.

07-8 Experiment with Speed Limit Numbers on Green Traffic Signal Phase

The Committee authorized the City of Garden Grove to conduct experimentation with the speed limit numbers on green signal, as long as it is not in violation of the MUTCD standards.

Note: Based upon the review of the California MUTCD, this item is in direct conflict with the MUTCD Section 4D.18 Standard text. Following is the text (which is actually an MUTCD text that has been adopted for California without any modification):

"Letters or numbers shall not be displayed as part of a vehicular signal indication."

The City was informed that if they would like to continue with this experiment, they must receive approval from the FHWA.

07-11 Veterans National Cemetery Signs

The Committee recommends adopting the sign as shown in the agenda packet.

The United States Congress authorized the Department of Veterans Affairs (VA) State of California to establish eight VA National Cemeteries signs, they are the Sacramento Valley VA, Riverside, San Joaquin Valley, Fort Rosecrans, Los Angeles, San Francisco, and Golden Gate National Cemetery.

07-12 Amendment to CA MUTCD Section 4E.08 Pedestrian Detectors

The Committee recommended that Caltrans adopt the following language under Section 4E.08 Pedestrian Detectors as guidance:

A mounting height of approximately 1.0-m (3.3 ft) above the sidewalk should be used for pedestrian push-button detectors.

07-13 Experimental Process With New Traffic Control Devices

The Committee recommended that the flow chart be adopted with two corrections:

First: remove the arrow between the last diamond and rectangle above that.

Second: delete the language from the first right-hand rectangle which says, "may ask to receive approval from FHWA first" and keep the language which states, "would ask to receive approval from the FHWA first if it would reduce the federal standards."

07-14 Process to Adopt Interim Approvals in California Issued by the FHWA

The Committee recommended that Caltrans adopt the flow chart as included in the agenda packet.

07-15 Proposal to Adopt "Safety Awareness Zone Next XX Miles"

The Committee recommended Caltrans to consider the feasibility of using the existing safety corridor sign. If that sign does not satisfy the legislation, then use option 1 as shown in the agenda packet.

07-16 SB 848, as Amended, Corbett. Vehicles: Engineering and Traffic Survey: Speed Trap.

The Committee discussed this item on October 10, 2007 in a workshop. During the regular CTCDC meeting on October 11, 2007, the Committee recommended the following amendment to Speed Limit Sign Section:

“When a speed limit is to be posted, it should be within 10 km/h or 5 mph of the 85th-percentile speed of free-flowing traffic.”

The speed limit may be further reduced by 10 km/h or 5 mph, if unusual conditions not readily apparent to drivers exist, as long as it complies with CVC Section 22358.5.

If used, a one time 10 km/h or 5 mph reduction shall be documented in writing. The final, speed limit shall not be less the 50th percentile.

07-17 Proposal for C17A (CA) ROAD WORK Plaque and Amendment to CA MUTCD Section 6F.104

The Committee requested more information from Caltrans and took no action on this item.

07-18 Proposal to Amend FWY Detour With Arrow SC9 (CA) Sign and Adopt Exit With Arrow Sign

The Committee recommended that Caltrans adopt two signs as included in the agenda packet.

07-19 Wildlife Corridor Signage

The Committee authorized the experimentation by using the sign with three animals and with text message “Wildlife Corridor”. Experiment will also use the current approved sign with the proposed sign and evaluate to determine which sign is more effective and easy to understand by motorists.

07-20 Request for Permission to Experiment with “Hawk” Traffic Control Devices

The Committee denied the request and requested more information on this proposal.

07-22 Proposal to Adopt Construction Sign “Trucks Entering Exiting” C44 (CA)

The Committee recommended that Caltrans adopt the sign by deleting the 30-inch size and adopting a 36-inch and 48-inch size.

07-23 Bus Preferential Only Lane Signs

The Committee recommended that Caltrans adopt signs R3-10a, R3-11b, R3-14b and End Of Bus Lane into the CA MUTCD as requested by the City of San Francisco.

07-24 Installation of School Assembly C in Rural Areas with Sidewalks

The Committee recommends that Caltrans show the 7' minimum vertical clearance from the bottom plate of School Assembly C on sidewalks in rural and urban areas".

SUMMARY OF ACCOMPLISHMENTS 2007:

- 1 item carried over from 2000
- 1 item carried over from 2001
- 1 item carried over from 2002
- 1 item carried over from 2003
- 1 item carried over from 2004
- 7 items carried over from 2006
- 38 items considered in 2007
- 26 items introduced in 2007
- 24 item completed in 2007
- 4 items approved for experimentation in 2007
- 4 items not completed in 2007
- 3 items rejected in 2007
- 3 items recommended no action

ITEMS CARRIED INTO FUTURE YEAR:

- 06-7 MTCD 2003 revision No. 1 (Pharmacy Signing)
- 06-8 FHWA's Interim Approval for optional Use of (Flashing Yellow Arrow) Traffic Control device
- 07-16 Amendment to Section 2B.13 Speed Limit of the CA MUTCD
- 07-17 Proposal for C17A(CA) Road Work plaque and Amendment to CA MUTCD Section 6F.104

ITEMS APPROVED FOR EXPERIMENTATION:

- 06-2 Experiment with Colored Bike Lane (Experiment Request by the City of San Francisco)
- 06-5 Clear The Way Signage (Drive Damaged Vehicle to Shoulder)
- 07-7 Experimentation by Implementation of Two new School Site Loading Signs
- 07-9 Wildlife Corridor Signage

STATUS OF CALTRANS ACTION ON PAST ITEMS:**01-1 U-TURN SIGNAL HEADS INDICATOR**

Caltrans will develop appropriate standards to ensure visibility and make the U-turn signal head indicator an official traffic control device by inclusion in the Caltrans Supplement.

The following items are in process to finalize as recommended by the CTCDC

- 02-15 Radar Guided Dynamic Curve Warning Sign
- 03-14 Numbering of Signalized Intersections
- 06-9 Proposal to adopt G12-1 (CA), G12-2 (CA), S22-1 (CA) and C43 (CA) signs
- 06-12 No Parking Signs
- 07-1 Proposal to revise the sizes for the Supplemental School Plaques (S4-3, W16-7p and W16-9p)
- 07-2 Three (3) Proposed Roadway Regulatory Signs
- 07-5 Proposal to Amend Section 2C.29 Advance Traffic Control Signs (W3-1, W3-2, W3-3, W3-4)
- 07-6 Delete the symbolic NO TURN ON RED (R10-11) sign
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- 07-13 Experimental Process With New Traffic Control Devices
- 07-14 Process to Adopt Interim Approvals in California Issued by the FHWA
- 07-18 Proposal to Amend "FWY Detour With Arrow" SC9 (CA) Sign and Adopt "Exit With Arrow Sign"
- 07-22 Proposal to Adopt Construction Sign "Trucks Entering Exiting" C44 (CA)
- 07-23 Bus Preferential Only Lane Signs
- 07-24 Installation of School Assembly C in Rural Areas with Sidewalks
- "04-10 Slow for the Cone Zone Sign
- "07-16 Amendment to Section 2B.13 of the CA MUTCD – Speed Limit
- "08-1 Amendment to CA MUTCD Section 2B.112(CA) Daylight Headlight Signs (S30(CA) Series)
- "08-2 Amendment to Handicap Parking Signs and Striping (AB1531)
- "08-3 Amendment to CA MUTCD Section 4D.17 Visibility, Shielding, and Positioning of Signal Faces
- "08-4 Bus Preferential Only Lane Signs

"08-5 "No Double-Parking Anytime Commercial Vehicles Included" Double Fine Imposed, ?? AM – ?? AM, ?? PM – ?? PM, MON – FRI

MISCELLANEOUS

Ms. Lieutenant Lujanna Lopez and Sergeant Janice Campbell will be new voting member and alternate member representing the California Highway patrol. Mr. Jeff Knowles, Deputy Director, Public Works and Transportation, City of Vacaville, will be the new Alternate Members representing the League of California Cities.

CTCDC Agenda, Minutes, Annual Reports, and other information is available on the Internet at "<http://www.dot.ca.gov/hq/traffops/signtech/newtech/>" under the Office of Signs and Delineation webpage.

Additional information regarding the minutes of the CTCDC meetings held during 2007 may be obtained upon request from the Secretary or any member of the California Traffic Control Devices Committee.

SIGN SPECIFICATIONS

As provided in California Vehicle Code Sections 21400 and 21401, a list of the current sign specifications used on streets and highways in California is available on the following website:

<http://www.dot.ca.gov/hq/traffops/signtech/signdel/specs.htm>

Respectfully submitted by Devinder Singh, Secretary, CTCDC